



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George OLARU

Appl. No.: 10/701,493

Filed: November 6, 2003

Title: **Injection Nozzle with Planar Heater**

Confirmation No.: 7629

Art Unit: 1722

Examiner: *To Be Assigned*

Atty. Docket: 2107.0250001

Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent

application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicant has checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign

application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- ☒ 5. Documents AO1, AP1, AK2, AL2, AM2, AK3, AL3 and AM3 were cited in a search report by a foreign patent office in a counterpart foreign application. For foreign language documents AP1, AK2, AM2, and AK3, submission of an English language version of the search report (listed as document AN1) that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

- ☒ 6. Concise explanations of the relevance of non-English language documents AL1, AM1, AJ2, and AJ3 appear below:

-Document AL1 (DE 35 01 840 A1) appears to describe a runner strip. An English language abstract of document AL1 is enclosed as document AQ1.

-Document AM1 (DE 35 05 658 A1) appears to describe a feed manifold bar. An English language abstract of document AM1 is enclosed as document AR1.

-Document AJ2 (DE 197 23 374 A1) appears to describe a hot channel nozzle. An English language abstract of document AJ2 is enclosed as document AN2.

-Document AJ3 (EP 1 223 017 A1) appears to describe a hot runner nozzle. An English language abstract of document AJ3 is enclosed as document AO2.

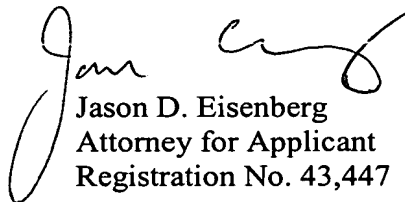
- ☒ 7. No copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because this application was filed after June 30, 2003.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

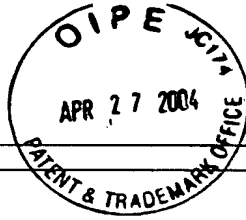
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.
2107.0250001

APPLICATION NO.
10/701,493

INVENTOR
George OLARU

FILING DATE
November 6 2003

ART UNIT
1722

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	2,797,296	06/1957	Fowler <i>et al.</i>			
	AB1	3,370,156	02/1968	Graves			
	AC1	3,730,373	05/1973	Kozbelt			
	AD1	3,808,573	04/1974	Cappell			
	AE1	3,829,657	08/1974	Hinz			
	AF1	3,872,281	03/1975	Krieg <i>et al.</i>			
	AG1	4,492,555	01/1985	Schulte			
	AH1	4,793,795	12/1988	Schmidt <i>et al.</i>			
	AI1	4,856,979	08/1989	Schreck			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ1	2 383 481 A1	03/2001	CA			N/A
	AK1	2 413 256 A1	12/2001	CA			N/A
	AL1	35 01 840 A1	07/1986	DE			NO
	AM1	35 05 658 A1	08/1986	DE			NO

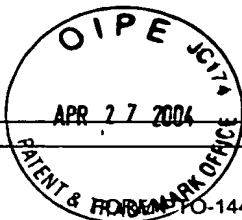
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	1	Search Report from European Application Number 03025483, 5 pages, dated January 23, 2004.
	AO	1	Patent Abstracts of Japan, Publication No. 2000218671, published August 8, 2000, 1 page.
	AP	1	Stamm, A., "Mikro-Flachdüse für kleine Nestabstände," Plastverarbeiter, Vol. 53, Nr. 6, p. 34, Zechner Und Huethig Verlag GmbH, 2002.
	AQ	1	English Abstract for German Patent Number DE3501840, published July 24, 1986, 1 page, from http://vs.espacenet.com .
	AR	1	English Abstract for German Patent Number DE3505658, published August 21, 1986, 1 page, from http://vs.espacenet.com .

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	4,892,474	01/1990	Gellert			
	AB2	4,923,387	05/1990	Gellert			
	AC2	5,411,392	05/1995	Von Buren			
	AD2	5,464,343	11/1995	Hepler			
	AE2	5,504,304	04/1996	Noguchi <i>et al.</i>			
	AF2	5,587,188	12/1996	Hepler			
	AG2	5,955,120	09/1999	Deissler			
	AH2	5,973,296	10/1999	Juliano <i>et al.</i>			
	AI2	5,980,236	11/1999	Gellert <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ2	197 23 374 A1	12/1997	DE			NO
	AK2	199 41 038 A1	03/2001	DE			NO
	AL2	0 402 501 A1	12/1990	EP			N/A
	AM2	0 670 209 A1	09/1995	EP			NO

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	2	English Abstract for German Patent Number DE19723374, published December 18, 1997, 1 page, from http://vs.espacenet.com .
	AO	2	English Abstract for European Patent Number EP1223017, published July 17, 2002, 1 page, from http://vs.espacenet.com .
	AP	2	
	AQ	2	
	AR	2	

EXAMINER

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 2107.0250001		APPLICATION NO. 10/701,493	
				INVENTOR George OLARU			
				FILING DATE November 6 2003		ART UNIT 1722	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	6,305,923 B1	10/2001	Godwin <i>et al.</i>			
	AB3	6,341,954 B1	01/2002	Godwin <i>et al.</i>			
	AC3	6,390,803 B1	05/2002	Christen			
	AD3	6,405,785 B1	06/2002	Gellert <i>et al.</i>			
	AE3	6,409,497 B1	06/2002	Würstlin			
	AF3	6,575,729 B2	06/2003	Godwin <i>et al.</i>			
	AG3	6,619,948 B2	09/2003	Günther			
	AH3	2002/0102322 A1	08/2002	Gunther			
	AI3	2003/0003188 A1	01/2003	Gunther			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ3	1 223 017 A1	07/2002	EP			NO
	AK3	WO 01/54882 A1	08/2001	PCT			NO
	AL3	WO 01/98054 A1	12/2001	PCT			N/A
	AM3	WO 01/98055 A1	12/2001	PCT			N/A

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AN	<u>3</u>	
	AO	<u>3</u>	
	AP	<u>3</u>	
	AQ	<u>3</u>	
	AR	<u>3</u>	

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